

$$122 \quad \frac{1}{5}(x-11) - 2x\left(\frac{1}{3} - \frac{1}{5}\right) = \frac{3}{4}x - 2 - x - \frac{1}{60}x \quad [x=1]$$

$$123 \quad \frac{2}{5}\left(x + \frac{2}{3}\right)\left(2x - \frac{1}{4}\right) - \frac{1}{3}(x+3)(x-3) = \frac{7}{15}x^2 + \frac{2}{3}(x-3) \quad \left[x = \frac{148}{7}\right]$$

$$124 \quad \frac{3x+2}{5} + \frac{1}{2}x - \frac{1}{5}\left[x+2 - \frac{1}{2}\left(x - \frac{2}{3}\right)\right] = \frac{3x+1}{10} + \frac{2}{3}x \quad [x=5]$$

$$125 \quad \left(x - \frac{2}{3}\right)\left(x^2 + \frac{2}{3}x + \frac{4}{9}\right) + x^3 - \left(\frac{2}{5}x + 1\right)(2x-1) = 2x^3 + \frac{1}{5}x(1-4x) \quad \left[x = \frac{95}{243}\right]$$

$$126 \quad \frac{1-2x}{2} - \frac{(1-4x)(1-2x)}{6} = \frac{5}{6} - \frac{(2x-1)^2}{3} \quad \left[x = -\frac{1}{8}\right]$$

$$127 \quad \frac{5}{3} + x - \frac{x+2}{3} + \left(x - \frac{3}{2}\right)\left(x + \frac{3}{2}\right) = (x+1)^2 - \frac{9}{4} \quad [x=0]$$

$$128 \quad \frac{1}{10}(x+2)(x-2) - \frac{3x-2}{10} = \frac{(x-3)^2}{10} + \frac{1}{2}x - \frac{1}{5} \quad \left[x = -\frac{9}{2}\right]$$

$$129 \quad \frac{1+x^2}{5} - \frac{1}{4}x - \frac{1}{20} = \frac{(x-1)^2}{5} + \frac{3}{2} - 1 \quad \left[x = \frac{11}{3}\right]$$

$$130 \quad \frac{1}{3}(x-2)(x+2) - \frac{3x-2}{3} = \frac{(x-3)^2}{3} - \frac{2-5x}{3} \quad \left[x = -\frac{9}{2}\right]$$

$$131 \quad \frac{7}{20}x + \frac{x-2}{15} + \frac{1}{12}x^2 = \frac{1}{12}(x+3)^2 - \frac{1}{20}(2x+3) \quad [x=44]$$

$$132 \quad \frac{2}{3}x + \frac{(3-2x)^2}{18} - \frac{(2x-1)(2x+1)}{18} = \frac{x-5}{3} + \frac{x+4}{6} - \frac{5}{9}x \quad [x=-28]$$

$$133 \quad \frac{x}{10} + \frac{(2-3x)^2}{30} + \frac{x}{10}(1-x) + \frac{2}{15}(1+5x) = \frac{x}{5}(3+x) - \frac{x-2}{6} \quad [x=2]$$

$$134 \quad \frac{(2x^2+3) - x(2x-1)}{2} + \frac{5(x-1)(x+1) - 5(x+1)^2}{15} = x+2 - \frac{4}{3}x \quad [x=7]$$

$$135 \quad \frac{x}{6} + \left[\left(3x - \frac{1}{3}\right)^2 - \left(3x - \frac{1}{3}\right)\left(3x + \frac{1}{3}\right)\right] + \frac{7}{3}x = \frac{3x-1}{6} - \frac{7}{18} \quad [\text{impossibile}]$$

$$136 \quad \left(x - \frac{1}{4}\right)^2 - \left(2x + \frac{1}{3}\right)\left(2x - \frac{1}{3}\right) + 5x\left(x - \frac{1}{4}\right) - \frac{1}{144} = \left(x + \frac{1}{3}\right)\left(2x - \frac{5}{2}\right) + \frac{2}{3} \quad [x=-4]$$

$$137 \quad \frac{(x+5)(x-5)}{9} - \frac{3x-2}{5} = \frac{(x-2)^2}{9} - \frac{2-5x}{5} - \frac{1}{9} \quad [x=-2]$$

$$138 \quad \frac{1}{2}\left[-\frac{x-1}{3}\left(\frac{1}{2}-2\right) + \frac{1-2x}{6}\right] : 3 = 2\left(\frac{1}{6} - \frac{x}{3}\right) + \frac{1}{6}\left(5x - \frac{1}{6}\right) + x - \frac{41}{36}x \quad [\text{impossibile}]$$

$$139 \quad x - 3\left[\left(\frac{x-1}{2}\right)^2 - \frac{1}{4}\right] = (-2)\left[\frac{5}{2} + \frac{x}{4}(x-2) - \frac{1}{4}x\right] + \frac{7}{4}x - \frac{1}{4}x^2 - \frac{5}{2} \quad [x=10]$$